

Bachelor of Science in Animal Sciences Honors Pre-Veterinary/Science Option

University Honors and Departmental Requirements:

Foundational Competencies	Credits	Semester(s) Offered	Taken	Grade
<i>English (3)</i>				
ENGLISH 298: Writing and Research Honors	3	Fall, Spring		
<i>Communication (STAMP test intermediate competency)</i>				
FOR_LANG 101, 102, 203, 204: Foreign language	16 (max)	Varies by course		
<i>Mathematics (4)</i>				
MATH/STAT 212: Statistics	4	F, Sp, Summer		

Ways of Knowing				
<i>Inquiry in the Social Sciences (3)</i>				
HONORS 270: Principles & Research Methods in Social Science	3	F, Sp		
<i>Inquiry in the Arts and Humanities (3)</i>				
HONORS 280: Contextual Understanding in the Arts and Humanities	3	F, Sp		
<i>Inquiry in the Natural Sciences (7)</i>				
BIOLOGY 106: Organismal Biology	4	F, Sp, Su		
HONORS 290: Science as a Way of Knowing	3	F, Sp		

Integrative and Applied Learning				
<i>Global Diversity (9)</i>				
HONORS 370: Case Study: Global Issues in Social Sciences	3	F, Sp		
HONORS 380: Case Study: Global Issues in the Arts and Humanities	3	F, Sp		
HONORS 390: Case Study: Global Issues in the Sciences	3	F, Sp		
<i>Integrative Capstone (4)</i>				
HONORS 398: Honors Thesis Proposal Seminar	1	F, Sp		
HONORS 450: Honors Thesis or Project	3	F, Sp, Su		

Animal Sciences Core (16 credits)				
ANIM_SCI 101: Introductory Animal Science	3	F		
ANIM_SCI 180: Freshman Orientation Course	1	F		
ANIM_SCI 313: Feeds and Feeding	4	F (or Sp at U of Idaho)		
ANIM_SCI 330: Animal Genetics	3	F		
ANIM_SCI 350: Physiology of Reproduction	3	Sp (or F at U of Idaho)		
ANIM_SCI 351: Physiology of Reproduction Lab	1	Sp (or F at U of Idaho)		
ANIM_SCI 380: Careers in Animal Science	1	F, Sp		

Additional Requirements for the Major (26-27 credits)				
Animal Management Lab: ANIM_SCI 172, 174 or 178	1	F-172, 174; Sp-178		
Animal Production Course: ANIM_SCI 464, 466, 468, 472, 474, 476 or 478	3	Varies by course		
BIOLOGY 107: Cell Biology and Genetics	4	F, Sp, Su		
CHEM 105: Chemistry	4	F, Sp, Su		
CHEM 106 or 116: Chemistry or Honors Chemistry	4	F, Sp, Su		
MATH 140: Calculus for Life Sciences (or MATH 106+108)	4-5	F, Sp		
Writing in the Major (2 [M] courses): ANIM_SCI 408, 440, 451, 464, 472, 473, 474, 478, 485, 488	6	Varies by course		

Honors Pre-Veterinary/Science Option (36-38 credits)				
Animal Sciences 100-300-Level Electives: ANIM_SCI 172, 174, 178, 205, 260, 274, 280, 285, 314, 345, 346, 360	5-6	Varies by course		
Animal Sciences 400-Level Electives: ANIM_SCI 408, 440, 451, 454, 460, 464, 466, 468, 472, 473, 474, 476, 478, 485, 488, 499	5-6	Varies by course		
CHEM 345: Organic Chemistry	4	F, Sp, Su		
ECONS 101 or 198: Microeconomics or Honors Economics	3	F, Sp, Su		
MBIOS/BIOLOGY 301: General Genetics	4	F, Sp, Su		
MBIOS 303: Introductory Biochemistry	4	F, Sp, Su		
PHYSICS 101: General Physics	4	F, Sp, Su		
VET_PH 308, or BIOL 324: Anatomy	4	Sp		
Veterinary science elective: MBIOS 305, VET_CLIN 361 or 367	3	Varies by course		

Checklist:		
Requirement	Credits	✓
Honors	33-49	
Animal Sciences Core	16	
Additional for Major	26-27	
Honors Pre-Vet Option	36-38	
Open Electives	variable	
Certify Major	24	
Writing Portfolio/Exam	--	
Upper-Division	40	
Writing in the Major	6	
Total Credits	120	

Notes:

To certify in Animal Sciences, complete ≥ 24 credits with cumulative GPA ≥ 2.0 .

Courses may be offered in Fall (F), Spring (Sp) and/or Summer (Su). Certain ANIM_SCI courses may be taken at the University of Idaho.

Honors students may also take the Animal Management option with Honors. Consult your advisor for details.

ANIMAL SCIENCES - HONORS PRE-VETERINARY/SCIENCE OPTION

The Animal Sciences degree focuses on the biology of animals kept by humans for various purposes. The *Honors Pre-Veterinary/Science Option* places emphasis on basic science courses. This option is recommended for Honors students planning to attend graduate school, work in an area of science or biotechnology, or apply to the professional program leading to the Doctor of Veterinary Medicine.

SAMPLE FOUR-YEAR PLAN¹

	Fall Semester	Credits ²	Spring Semester	Credits
First Year	ANIM_SCI 101	3	*BIOLOGY 106 or 107	4
	ANIM_SCI 180	1	*CHEM 106 or 116	4
	*CHEM 105	4	ENGLISH 298	3
	FOR_LANG 101	4	FOR_LANG 102	4
	*MATH 106 or 140 ³	3-4	*MATH 108 ³	(2)
		15-16		15-17
Second Year	ANIM_SCI 172 or 174	1	FOR_LANG 204	4
	*BIOLOGY 106 or 107	4	HONORS 280	3
	*CHEM 345	4	*MBIOS 303	4
	FOR_LANG 203	4	*STAT 212	4
	HONORS 270	3	ECONS 101 or 198	3
	HONORS 398	1		18
		17		
Third Year	ANIM_SCI 313	4	ANIM_SCI 350	3
	ANIM_SCI 330	3	ANIM_SCI 351	1
	ANIM_SCI 380	1	ANIM_SCI Elective	3
	ANIM_SCI Elective	3	HONORS 370	3
	*BIOLOGY/MBIOS 301	4	HONORS 380	3
	HONORS 290	3	MBIOS 305 or VET_CLIN 361	3
		18		16
Fourth Year	ANIM_SCI 440, 464, 472 or 488 [M]	3	ANIM_SCI 408, 451, 473, 474 or 485 [M]	3
	ANIM_SCI 400-Level Elective	2-3	ANIM_SCI Production Course	3
	HONORS 390	3	ANIM_SCI 400-Level Elective	3
	*PHYSICS 101	4	HONORS 450	3
	Electives	3-6	VET_PH 308 or BIOLOGY 324	4
		16-18		16

¹ This is an example of a 4-year plan. Your program may include different courses. Consult with your advisor about the best combination and order of courses for you.

² Take MATH 106 & 108 if needed. Note dates covered by different sections (accelerated sections: MATH 106 & 108 completed in one semester).

³ Total credits must equal at least 120. Students typically complete more than the minimum.

* VETERINARY MEDICINE PREREQUISITES: BIOLOGY 106 & 107, CHEM 105, 106 & 345, MATH 106 & 108 (or calculus), MBIOS/BIOLOGY 301, MBIOS 303, PHYSICS 101, and STAT 212 (or STAT 412 or PSYCH 311) are prerequisites for entry into the WSU Veterinary Medicine program in addition to completion of the Honors requirements (or BS degree). Students are encouraged to take additional upper division science courses including, but not limited to, animal nutrition, physiology, anatomy, microbiology and immunology. CHEM 348 should be taken in preparation for graduate and professional programs requiring two semesters of organic chemistry. Some schools have additional prerequisites. Consult with your advisor about the prerequisites for specific schools of interest.